

Rule 1.124

Application/Control Number: 09/463,914

Page 2

Art Unit: ***

CLMPTO

09/16/05

LW

CANCEL CLAIIMS 1-49

50. (new) An apparatus for die cutting laminar material comprising:

a cutting die support cylinder having a cylindrical outer surface, said cutting die support cylinder having a two 180° halves;

a cutting die having a curved shape, said cutting die having a curved inner surface conforming to said cylindrical outer surface of said cutting die support cylinder, said cutting

Art Unit: ***

die having a plurality of holes formed therein so as to extend from said curved inner surface to an exterior surface of said cutting die;

a fixing means for securing said cutting die to said cutting die support cylinder, said fixing means comprising:

a bolt having a shank and a head, said head having a larger area than an area of a cross-section of said shank in parallel relation to said head; and

a working means housed within a hollow body affixed to said cutting die support cylinder, said working means operatively connected to said bolt for moving said bolt from a retracted position to an extended position, said head of said bolt extending outwardly of said cutting die support cylinder through one of said plurality of holes of said cutting die when in said extended position, said working means being a dynamic fluid cylinder, said head of said bolt being secured to said cutting die when in said extended position, said working means comprising a plurality of fluid dynamic cylinders each acting independently of each other in said two 180° halves, each of said plurality of fluid dynamic cylinders having a spring cooperative with said bolt such that said bolt remains in said retracted position when said bolt is obstructed from moving to the extended position.

51. (new) The apparatus of Claim 50, said dynamic fluid cylinder being a pneumatic cylinder.

52. (new) The apparatus of Claim 50, said dynamic fluid cylinder being a hydraulic cylinder.

Art Unit: ***

53. (new) The apparatus of Claim 50, said plurality of holes of said cutting die being quincuxes, said head of bolt being resiliently retained in one of said quincuxes when said bolt is in-said retracted position.

54. (new) The apparatus of Claim 50, said cutting die support cylinder having a plurality of threaded holes formed thereon, said cutting die having respective fasteners received by said plurality of threaded holes so as to secure said cutting die to said cutting die support cylinder.

55. (new) The apparatus of Claim 55, said plurality of threaded holes having respective quincurixes formed at said surface of said cutting die support cylinder.

⁵⁶
56. (new) The apparatus of Claim 50, said cutting die being centered on said cutting die support cylinder.

57. (new) The apparatus of Claim 56, said cutting die support cylinder having a circumferential stop and an axial stop, said cutting die having an edge abutting said circumferential stop and a centering guide receiving said axial stop.